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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,420	11/12/2003	Darin G. Schaeffer	8627/327	7610
757	7590 11/01/2006		EXAMINER	
BRINKS HO	OFER GILSON & LIONE	ZHENG, LOIS L		
P.O. BOX 10395 CHICAGO, IL 60610			ART UNIT	PAPER NUMBER
cincilos, il soois			1742	

DATE MAILED: 11/01/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application No.	Applicant(s)		
		10/712,420	SCHAEFFER, DARIN G.		
		Examiner	Art Unit		
		Lois Zheng	1742		
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address		
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DA nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period w pre to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	l. ely filed the mailing date of this communication. O (35 U.S.C. § 133).		
Status			•		
	Responsive to communication(s) filed on <u>11 At</u> This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro			
Disposit	ion of Claims				
5)	Claim(s) 1-40 is/are pending in the application. 4a) Of the above claim(s) 34-40 is/are withdraw Claim(s) is/are allowed. Claim(s) 1-8,10-13,15-22,24-27 and 29-31 is/a Claim(s) 9,14,23,28,32 and 33 is/are objected to Claim(s) are subject to restriction and/or ion Papers The specification is objected to by the Examine The drawing(s) filed on is/are: a) according a control of the drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correction of the oath o	n from consideration. re rejected. to. r election requirement. r. epted or b) □ objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is objected to by the December 1.	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).		
Priority (ınder 35 U.S.C. § 119		•		
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
2) 🔲 Notic 3) 🔯 Infor	t(s) se of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) or No(s)/Mail Date 8/14/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	te		

DETAILED ACTION

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Status of Claims

No claims are amended in view of applicant's argument filed 11 August 2006.
 Therefore, claims 1-33 remain pending.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1, 3-7, 10-11, 13, 15, 18, 20-21, 24-25, 27 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Swain EP 1,369,099 A2(Swain) in view of Boulanger et al. US 4,132,618(Boulanger).

The teachings of Swain in view of Boulanger are discussed in paragraph 6 of the previous Non-Final Office Action mailed 18 May 2006. The rejection grounds are maintained for the same reasons as stated in paragraph 6 of the previous Non-Final Office Action.

4. Claims 2, 17 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Swain in view of Boulanger, and further in view of Baker et al. US 3,935,085(Baker).

The teachings of Swain in view of Boulanger and Baker are discussed in paragraph 7 of the previous Non-Final Office Action mailed 18 May 2006. The rejection

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grounds are maintained for the same reasons as stated in paragraph 7 of the previous Non-Final Office Action.

5. Claims 8 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Swain in view of Boulanger, and further in view of Wang et al. US 6,275,826 B1(Wang).

The teachings of Swain in view of Boulanger and Wang are discussed in paragraph 8 of the previous Non-Final Office Action mailed 18 May 2006. The rejection grounds are maintained for the same reasons as stated in paragraph 8 of the previous Non-Final Office Action.

6. Claims 12, 16, 26 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Swain in view of Boulanger, and further in view of Moore US 5,145,474(Moore).

The teachings of Swain in view of Boulanger and Moore are discussed in paragraph 9 of the previous Non-Final Office Action mailed 18 May 2006. The rejection grounds are maintained for the same reasons as stated in paragraph 9 of the previous Non-Final Office Action.

7. Claim 31 is rejected under 35 U.S.C. 103(a) as being unpatentable over Swain in view of Boulanger and Moore, and further in view of Baker.

The teachings of Swain in view of Boulanger, Moore and Baker are discussed in paragraph 10 of the previous Non-Final Office Action mailed 18 May 2006. The rejection grounds are maintained for the same reasons as stated in paragraph 10 of the previous Non-Final Office Action.

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Allowable Subject Matter

- 8. Claims 9, 14, 23, 28 and 32-33 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 9. Reasons for indicating allowable subject matter:

The prior art of record do not teach or suggest, either alone or in combination, the claimed electro-polishing apparatus having at least two cathode loops that are spaced apart from each other.

The prior art of record also do not teach or suggest, either alone or in combination, the claimed electro-polishing apparatus wherein the anode is attached to a swing arm, said swing arm adapted to lift the anode and the medical implant/stent out of an electrolytic bath while the roller and cathode remains immersed.

Response to Argument

10. Applicant's arguments filed 11 August 2006 have been fully considered, but are not persuasive.

In the remarks, applicant argues that Boulanger does not relate to electropolishing medical implants art and the combination of Swain and Boulanger is a result of hindsight.

Swain teaches an electropolishing apparatus for polishing the inner surface of a stent(i.e. medical implant). Swain further teaches that the stent is rotated(see paragraph 6 of the previous Non-Final Office Action). Therefore, one of ordinary skill in the art at the time Swain's invention was made would have look into any art relating to

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rotation of a tubular material (i.e. a stent is tubular) to ensure smooth and even rotation. Boulanger's apparatus is used in an electrolytic process for marking metallic parts, which is a similar process as an electropolishing process since both the electrolytic process of Boulanger and the electropolishing process of Swain are both metal removal processes utilizing electrical energy. More importantly, Boulanger is also concerned with rotation of a tubular material (i.e. metal tube in Boulanger) which is controlled by motor driven rollers. Therefore, one of ordinary skill in the art would have found it obvious to have incorporated the motor driven rollers as taught by Boulanger into the apparatus of Swain in order to permit free rotation of the metal tube (i.e. the stent) as taught by Boulanger. As to the size difference between the medical stent of Swain and the metal tube of Boulanger, one of ordinary skill in the art would have found it obvious to resize the rollers proportionally corresponding to the size of the medical stent in order to successfully adopting the rolling concept of Boulanger into the stent rotation of Swain. Therefore, the examiner does not find applicant's argument persuasive.

Conclusion

11. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lois Zheng whose telephone number is (571) 272-1248. The examiner can normally be reached on 8:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on (571) 272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ROY KING

SUPERVISORY PATENT EXAMINER TECHNICLOGY CENTER 1700

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